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IS 5942 (1989): Wooden handles for POWRAHS- [CED 9: Timber and Timber Stores]

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“Knowledge is such a treasure which cannot be stolen”



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Indian Standard

**WOODEN HANDLES FOR
POWRAGHS — SPECIFICATION**

(First Revision)

UDC 621.879.1 : 674.77

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards on 1 February 1989, after the draft finalized by the Timber Stores Sectional Committee had been approved by the Civil Engineering Division Council.

The general requirements for wooden tool handles are covered by IS 620 : 1985 'Specification for wooden tool handles, general requirements (*fourth revision*)'. A series of Indian Standards have been prepared for various hand tools, and for use with these hand tools, a number of standards for corresponding wooden handles have been prepared. These standards are being revised regularly to absorb research data as well as users' experience.

This standard was first published in 1970. In the present revision, clauses pertaining to species of timber and other requirements have been modified and updated.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

WOODEN HANDLES FOR *POWRAHS* — SPECIFICATION

(First Revision)

1 SCOPE

This standard covers the requirements of wooden handles for *POWRAHS* conforming to IS 1759 : 1980 'Specification for *POWRAHS* (first revision)'.

2 REFERENCES

The Indian Standards listed below are necessary adjuncts to this standard:

IS No.	Title
IS 620 : 1985	General requirements for wooden tool handles (<i>fourth revision</i>)
IS 707 : 1976	Glossary of terms applicable to timber technology and utilization (<i>second revision</i>).

3 TERMINOLOGY

For the purpose of this standard, the definitions given in IS 620 : 1985 and IS 707 : 1976 shall apply.

4 SPECIES OF TIMBER

4.1 The handles for *POWRAHS* shall be manufactured from any of the timber specified for Class IV handles in IS 620 : 1985.

4.2 The blanks shall be well seasoned (preferably air seasoned) to a moisture content not exceeding 15 percent. They shall be fairly straight grained (inclination of grain not to exceed 1 in 20), free from centre heart (pith), any kind of decay (rot), any type of borer/insect attack, brashness, checks, shakes (except few hair cracks/shakes), split, warp, objectionable knots and sap-wood, except those permitted for finished handles in IS 620 : 1985. Any defects other than those listed above which are likely to adversely affect the life or utility of the handles shall not be permitted.

5 MANUFACTURE

5.1 The handles shall be manufactured from selected blanks to the shape and size as shown in Fig. 1.

5.2 Unless otherwise specified by the purchaser, immediately after inspection, all accepted handles shall be thoroughly soaked in hot (about 90°C) raw linseed oil for one hour and allowed to drain. They shall then be wiped clean with a dry piece of cloth.

6 DIMENSIONS AND TOLERANCES

6.1 Dimensions

The handles shall conform to the dimensions as shown in Fig. 1.

6.2 Tolerances

The following tolerances shall be permissible:

- a) Where the head of the tool fits: +3 mm, and
-0 mm
- b) At all other places: ± 2 mm.

7. OTHER REQUIREMENTS

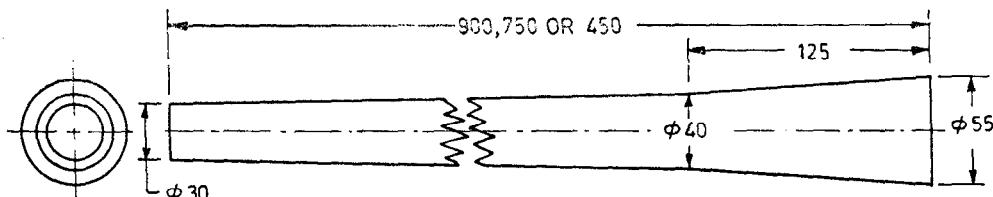
Workmanship and finish, permissible defects (in addition to those given in 4.2), tests, treatment and moisture content of finished handles shall be as specified in IS 620 : 1985.

8 SAMPLING

The method of drawing representative samples and criteria for conformity shall be as prescribed in IS 620 : 1985.

9 MARKING

Unless specified otherwise, each handle shall be legibly and indelibly marked with the manufacturer's name, initials or recognized trade-mark and the year of manufacture.



All dimensions in millimetres.

FIG. 1 WOODEN HANDLE FOR '*POWRAH*'

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BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones : 331 01 31, 331 13 75

Telegrams : Manaksanstha
(Common to all Offices)

Regional Offices:

Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	Telephone 331 01 31 331 13 75
Eastern : 1/14 C. I. T. Scheme VII M, V. I. P. Road, Maniktola CALCUTTA 700054	36 24 99
Northern : SCO 445-446, Sector 35-C, CHANDIGARH 160036	2 18 43 3 16 41
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